



Utah Asthma Task Force
Meeting Notes
June 5, 2018

Next Meeting: Tuesday, October 2, 2018 at 7:30am

Introductions, Updates and Call to Action

- Attendance (please contact mbroekemeier@utah.gov to join the roster)

Tiffany Brinton	Asthma Program Salt Lake County (SLCo) Health Department
Brittany Guerra	Asthma Program at the UDOH
Megan Broekemeier	Utah Environmental Public Health Tracking Network-UDOH
BettySue Hinkson	UDOH EPICC
Lauren Madaffari	Utah Environmental Public Health Tracking Network-UDOH
Holly Uphold	Asthma Program at the UDOH
Charlotte Vincent	Division of Aging and Adult Services at the UDOH
Andrea Jensen	Asthma Program at Utah County Health Department
Nichole Shepard	Asthma Program at the UDOH
Danae Avery	AstraZeneca
Stephanie George	Asthma Program at the UDOH
Christal Dent	Tobacco Program at the UDOH
Lorill Solomon	School Nurse in Davis County
Darrin Sluga	SLCo Health Department
Kellie Baxter	Asthma Program at the UDOH
Patty Cross	UCHD
Susan Fox	Green and Healthy Homes Initiative SLCo
Wendy Wright	UCHD Asthma Program
Deanna England	Tobacco Program at SLCo
Yvonne Campbell	Weber County
Daniel Mendoza	University of Utah
Shaelyn Hill	SLCo Health Department
Connie Lo	CDC
Naomi Chen-Bowers	CDC
Laura Seefe	CDC
Erin Brantley	George Washington University
Leighton Ku	George Washington University
Abby Stable	AstraZeneca
Greg Williams	UDOH EPHTN
Josh Wright	University of Utah

- Advisory Board Membership
 - Nominations have been accepted and a ballot for voting can be completed during the meeting or online.

- Have not received nominations for Chair Representative. Please nominate yourself or someone else if you are interested. Contact Brittany Guerra for more details: bguerra@utah.gov.

UDOH Policy Database and Policy Updates Corner

BettySue Hinkson, MSN, RN, NCSN and Nichole Shepard, MPH

- How can we think about policy more broadly? Change can and does happen at multiple levels:
 - Legislative level- enacting laws and regulations
 - Systems level- changes within an organization
 - Environmental level- changes made to the physical environment, including infrastructure or community design
- Examples of policy change directly or indirectly impacting asthma:
 - 6|18 Initiative is a CDC program that partners with health care purchasers, payers, and providers to improve health and control health care costs; emerging reimbursement and delivery models developed within this program provide opportunity for system changes.
 - The Vehicle Emissions Program in Salt Lake County provides assistance to low-income vehicle owners to repair a vehicle that failed an emissions test. Because a malfunctioning vehicle can emit 100 times the amount of pollution that it would if it were working, this program has the potential to greatly impact the environment.
 - The school nurses are requesting an increase of \$5 million of State funding to increase the number of nurses in the schools. Currently there is only \$1 million of matching grant money. School nurses are overwhelmed with managing chronic diseases in schools, and encourage parent groups to contact the legislative leaders of the public education and health and human services appropriations committees and request designated state money for more school nurses. The governor and superintendent are considering putting it on their budget request. Contact Lorill Solomon for the full request and more details: losolomon@dsdmail.net.

Education and Awareness

Utah Air Quality and Health Research, Daniel Mendoza, PhD

Presentation Title: What is the Impact of Using the World's Most Sophisticated Pollutant Observation Network on Predicting Health Outcomes?

- Air quality differences across Salt Lake Valley
 - The majority of large air pollution emitters are located in low-income areas with a high percentage of minority populations.
- Observation Network
 - There are three air quality sensors in Salt Lake County that provide data for reporting and analysis, which posed concerns for researchers:
 - What are the disparities in terms of exposure?
 - Is this good enough for making observations about exposure?

- Should treatment for health effects associated with air quality exposure be personalized? If so, how can only three monitors address this issue?
 - Observation Network has sophisticated air quality monitors, which are located on public transit (i.e., Trax) and a helicopter.
 - Able to map air quality levels by minute
 - Able to identify air quality differences across Salt Lake Valley
- Air Quality Studies and Projects
 - Air Pollution and Mortality in the Medicare Population, Di et. al: In the entire Medicare population, there was significant evidence of adverse effects related to exposure to PM_{2.5} and ozone at concentrations below current national standards. This effect was most pronounced among self-identified racial minorities and people with low income.
 - Salt Lake School District study
 - Significant differences in exposures to pollutant based on geography
 - West side schools were exposed to higher levels of PM_{2.5} than East side school; East side schools were exposed to higher levels of ozone than West side schools
 - Concerns of kids participating in sports activities during peak ozone concentrations
 - School Recess Exposure
 - School recess guidance is based on a single hourly-resolved air quality monitor that is not representative of the entire county's air quality
 - There is significant spatial pollutant exposure variability
 - Temporal observations may be higher than observed because data are lagging (due to one-hour reporting)
 - Air Quality and Absenteeism study found a positive trend in all participating schools.
 - Outdoor vs. indoor air quality is the “next frontier”
 - Suicide and Air Quality
 - Utah has higher rates of suicide than other areas of the country and is part of the “suicide belt.”
 - Research suggests associations between high suicide rates and air quality
- Community efforts to reduce air pollution
 - Partner with multiple organizations and agencies to provide community events and messaging for educating the public (e.g., Breathe Clean Festival; Environment + You)
 - Pilot project will be starting soon that will offer free fare for public transportation on bad air quality days
 - Technology development to be able to predict inversions 7-10 days ahead of time with 90% accuracy, allowing people to plan accordingly
- Contact Dr. Daniel Mendoza for more details: daniel.l.mendoza@gmail.com

Asthma Pharmacy Care, Josh Wright, PharmD Student

Presentation Title: Asthma Self-Management in the Community Pharmacy

- Asthma Self-Management Programs (ASMP)
 - Popular in US during early 2000's
 - Successful models in other states
 - Didn't get a lot of traction in Utah
- Study to better understand ASMP in Utah
 - Developed a survey to assess barriers to implementing ASMP and determine if any ASMPs exist in Utah
 - Surveyed pharmacists
 - Determine what should be included in ASMP
 - Conducted literature review
 - Results
 - Barriers pharmacists identified for patient participation
 - Lack of time and knowledge
 - Lack of knowledge (community pharmacists)
 - Health literacy (clinical pharmacists)
 - Pharmacists identified their own barriers as lack of time and pharmacist level of education
 - Only 51% of community pharmacists agreed/strongly agreed that they discussed inhaler technique on a continual basis
 - 20% of pharmacists disagree that their job entails demonstrating management practices
 - 22% of pharmacists marked sometimes to never on assessing for understanding
 - Questions that Stemmed from Responses
 - What kind of education do pharmacists feel they are missing?
 - Did clinical pharmacist mention financial incentive because of provider status?
 - Why aren't community pharmacists following up on inhaler technique over time, but clinical pharmacists are?
 - Clinical pharmacists are offering more trigger identification vs. Community pharmacists. Why?
 - Clinical pharmacists feel like they have more contact with other health care providers vs. community pharmacists. Is this because they work next to them? In what ways could we make it easier for community pharmacists to have better contact with providers?
 - Only 8% of these pharmacists claim to have asthma collaborative practices. Would more collaborative practices help improve outcomes?
- Future projects building upon results of study
 - Research question 1: What do asthma self-management education programs currently look like in Utah pharmacy setting?

- Research question 2: Work with the University of Utah College of Pharmacy to develop an elective course for pharmacists to get additional training on ASM techniques.
- Contact Josh Wright, PharmD (c) for more details: 24joshwright@gmail.com

Strategic Evaluation Plan, Stephanie George, MPH

The UDOH asthma program is nearing the end of their current 5-year grant period and will be applying for a new grant within the next year. Part of the grant application will include a strategic evaluation plan.

- What has been accomplished or evaluated during the current grant cycle?
 - Schools: Open Air Ways/Systems Scan Evaluation
 - Quality Improvement: UPIQ Academic Detailing Project
 - Health Systems: Community Health Worker trainings and evaluations
 - Asthma Home Visiting Program: process evaluation and return on investment collected
- Changes because of evaluation:
 - Funded fewer LHDs at higher levels
 - Improved Recess Guidance process
 - Improved asthma telehealth presentations
 - Revamped Community Health Worker training
 - Different approaches to working with schools (mini-grant pilot)
- Current Evaluations (to complete this fiscal year [September 1, 2018])
 - Evaluation of CHW implementing the Utah Advisory Home visiting
 - Programs within clinics including their referral and feedback process
 - School nurse mini-grant
 - Pitch to Medicaid for Home Visiting Program reimbursement
- Up Next
 - Feedback and referral evaluation
 - Final Utah Asthma Home Visiting Program outcomes
- What needs to be included in evaluation activities?
 - Please contact sgeorge@utah.gov with questions, comments or concerns, and input on next year's Asthma Program evaluation plans. Please submit evaluation plan feedback by Friday June 15th.
 - Please contact sgeorge@utah.gov if you are interested in joining the evaluation planning committee. Participants are not required to have extensive evaluation background, and evaluation training and guidance will be provided to participants during meetings.

Wrap-up and Reconvene

Call to Action- What can you take away from the meeting today to incorporate into your program?

Events

- **Asthma Webinar Series Upcoming Events:**
Diane Liu, MD “Asthma Care Coordination”
June 6, 2018: 12-1 pm
CE credit for RNs and RTs
- **School Nurse Summer Institute 2018**
School Emergency Triage Training
Doty Education Center (IMC Campus)
June 18, 2018 from 8-5 pm
- **UCAIR:** Contact Angie Koford (angie@ucair.org)
- **Asthma Advisory Board Meeting**
August 15, 2018
Utah Department of Health